Patent claims:

1. Process for the production of cellulosic fibres from solutions of cellulose in an aqueous tertiary amine oxide whereby the extruded fibres are led through a precipitating bath and cut and the cut fibres are passed through a series of wash baths in the form of a fleece and then dried whereby the wash baths are connected one to the other and whereby fresh washing liquor is applied to the last wash bath and led in countercurrent with the transportation direction of the fibre fleece to the first wash bath characterised in that the pH value of each of said wash baths is maintained higher than 8.5.

2. Process according to claim 1 characterised in that the pH value of each of the wash baths is maintained between 9 and 11.

3. Process according to either claim 1 or 2 characterised in that the pH value in the wash baths is set by adding alkaline buffering substances.

4. Process according to claim 3 characterised in that sodium hydroxide is added to at least one of the wash baths.

5. Process according to one of the previous claims characterised in that liquor is forced out of the fibre fleece after the fleece leaves the wash bath and before it enters the following wash bath.

6. Process according to one of the previous claims characterised in that the temperature of the washing liquor equals 20°C to 90°C.